



ANOTHER GROUP IN TOOL ENGINEERING receive certificates for satisfactorily completing a college-level course in Physics. Standing from left are B. H. Fox, W. D. Stinnett, J. L. Waters, department superintendent; C. H. Curtis, R. C. Green, one of the instructors; Fred Jeffers, Ernie Watkins, department head; and Frank Fuis, who coordinated the course. Seated, clock-wise, are Paul Febbo, J. E. Bennett, H. E. Coppock, S. D. Rea, C. P. O'Brien and H. C. Hankins. Not present for the photograph was another of the instructors, R. V. Miskell.

Tool Engineering Personnel 'Graduate' In Another College Level Course, Physics

ASME Banquet Has Famed Writer

Wilma Dykeman Stokely, famed novelist, columnist and traveler, will be the banquet speaker for the big annual banquet planned by the American Society of Mechanical Engineers. The Oak Ridge Sub-Section of ASME is holding its banquet at the Oak Ridge Country Club Thursday, November 18. The social hour begins at 6 p.m. and the banquet starts at 7.

Mrs. Stokely, a native of Asheville, North Carolina, has written a novel, "The Tall Woman," a non-fiction study of the contemporary South "Neither Black nor White," and "Seeds of Southern Change." Her "French Broad," one of the Rivers of America Series, won the Thomas Wolfe Memorial Trophy in 1955. She writes a regular column in the Knoxville News-Sentinel "The Simple Life." The writer lives with her husband and two sons in Newport.

She will discuss "East Tennessee History and Folklore" at the November 18 banquet.

Reservations may be made:th Reservations may be made through Bob Schappel, extension 3-1589, or Don Gary, 3-7653. The \$3 banquet tickets must be reserved by next Wednesday, November 17.

All members and guests are invited to this annual event. Wives and dates are particularly welcomed.

NEW PRODUCT

A relatively new product, the electric carving knife, is catching the fancy of the American public. Retail experts expect some 7,000,000 to be sold this year.

GROCERY COSTS

The average active man needs about 50 per cent more food than the average active woman.

The Tool Engineering Department observed another "graduation" recently as employees were awarded certificates denoting that they had successfully completed a physics course.

The physics course, slanted to the practical application of physical principles encountered by Y-12 operations, is on the college level. It was taught by R. C. Green and R. V. Miskell. Frank Fuis Jr. acted as coordinator for the instructions.

Taking the course were 10 men from Tool Engineering. They were J. E. Bennett, H. E. Coppock, C. H. Curtis, Paul Febbo, B. H. Fox, H. C. Hankins, Fred Jeffers, C. P. O'Brien, S. D. Rea and W. D. Stinnett.

The certificates were passed out October 26. Classes began February 9, and consisted of 70 hours of actual classroom time. This does not include the 'midnight oil' time spent on homework and class preparation.

The text for the physics course was COLLEGE PHYSICS, 3RD EDITION, by Sears and Zemansky.

Several of the above 10 men also received certificates back in January for a course completed in trigonometry.

Formal education does not stop with a formal institutional graduation... but goes on day-by-day on the job. Since the physical sci-

ences introduce new principles almost daily, it is highly necessary that the employee keep abreast of the latest changes and developments.

Tool Engineering personnel are regularly exposed to the advancement of training, particularly the on-the-job variety.

J. L. Waters is department superintendent, and E. R. Watkins is supervisor in Tool Engineering. Congratulations to the latest 'graduating class'!

BEAUTIFUL BROWN EYES

Doctor: "Hmmm, this doesn't look too good. Have your eyes ever been checked before?"

Patient: "No, Doctor, they've always been brown."

United Fund Drive Extended 2 Weeks To Complete Report

The latest United Fund figures show the drive sits currently at the \$66,480.36 mark... or 74.3 percent of the plant's goal. Since many cards are still out in the plant, E. A. Pluhar, coordinator for Y-12, has announced the drive will be extended through last week and this. It was to have been all completed by November 1. But vacations and other absences have accounted for too many cards outstanding.

Engineering Mechanics is the latest department in the plant to go over its 'fair share' quota.

Mop-up operations were to be completed this week, as the plant experiences its most successful drive in history. This year's pledge money already accounts for more than 150 percent of what was gleaned last year!

Responding to the call from Anderson and surrounding counties who had to increase United Fund budgets this year, Y-12ers have upped their donations all along the line.

Meanwhile, Pluhar says that new pledges will show on November checks for monthly payroll folks and on hourly and weekly salaries for the week ending November 21.

United Funds across America during October have asked the

question to everyone: "Am I my brother's keeper?"

Combining many appeals into one is not only more economical, it is less bother to the individual. Where else can you spend money so wisely, and so well?

Last week individual departments throughout the plant received their handsome 'gold' plaques, signifying 'fair share' giving. Departments participating in the drive 100 percent received 'silver' plaques. 'Fair share' giving has been defined this year as three-tenths of one percent of one's salary. This is far below many 'fair share' recommendations. Firms in Knoxville have designated one percent of total salary as a fair share.

Long, Illustrious Record For ORNL

Oak Ridge National Laboratory completed 701 shipments of radioisotopes during the month of July, bringing its 19th anniversary total to approximately 200,000 shipments.

The Laboratory made its first shipment — one millicurie of carbon 14 — on August 2, 1946, to the Bernard Free Skin and Cancer Hospital, St. Louis, Missouri, for cancer research.

	Quota	Amount	Percent
Accounting and Budget*	\$ 700	\$ 712.96	101
Assembly	3,697	580.20	16
Development*	5,224	5,234.04	100
Engineering	5,004	4,835.73	96
Fabrication	19,109	11,949.24	63
Industrial Relations	1,326	1,230.30	93
Maintenance	21,677	14,888.85	69
Metal Preparation	9,236	7,254.84	78
Product Engineering*	2,902	3,055.04	105
Superintendents*	2,655	3,027.76	114
Shift Superintendents	4,460	2,725.04	61
Product Certification	6,475	2,970.26	73
Technical	3,287	2,970.26	90
Materials and Services	3,248	2,537.84	78
PLANT TOTAL	\$89,000	\$66,480.36	74.6

6-12343



THE MAIL DEPARTMENT is hailed as they go over the top in Fair Share giving in the United Fund. From left are E. H. Erickson, D. C. Jameson, Ernie Duncan receiving the department's fair share plaque from E. A. Pluhar, Dot Conner, Lula Belle Justice and Orel Hartman. Joyce Gillihan was on vacation when the presentation was made.

SAFETY SCOREBOARD

The Y-12 Plant Has Operated

33 Days Or 974,000 Man Hours

(Unofficial Estimate)

Through November Without A Disabling Injury

For Daily Report
On Accident-Free Hours
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Halloween - Y-12 Style

The Bulletin

Published Weekly For The
Y-12 Employees Of
UNION CARBIDE
CORPORATION



NUCLEAR DIVISION

JAMES A. YOUNGEditor



OFFICE

Post Office Box Y
Oak Ridge, Tenn. 37831
Bldg. 9704-2 Room 137
Telephone 3-7100

Costumes Highlight Halloween Hoedown

If costumes frightened you away from October 29's big Y-12 Halloween Dance, you should have been there. You would have been scared to death! Some came in costume, some came out of costume . . . but merry-makers did show, and had a ball.

In the accompanying photographs you see a selection of some of the dancers, their partners, and here and there you get a glimpse of a spook or two. In photograph A, there are B Shift's wild Indians, who came late, but stayed long . . . each dressed as a squaw or a brave . . . or as one B Shifter had printed on his back: "Me no brave, me coward!" In shot B, R. T. Cantrell welcomes early arrivals at the door.

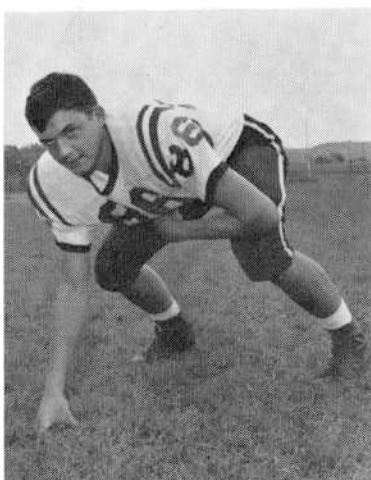
C shows a young table . . . sitting out a pleasant Jerry Collins number. In D you see Raggedy Ann and Raggedy Andy in the persons of Kendall and Barbara Brady. They took the best couples' prize for costumes. In E there are the George Petersons and Paddy Peckmans. Verna and Paddy came as a bride and groom to mark their 25th Wedding Anniversary. Collins and cohorts played the "Anniversary Waltz" and Verna and Paddy had the floor to themselves . . . giving the crowd a very nice display of the beloved waltz. Paddy's bridegroom outfit was topped off with a Beatie wig, as you can see.

F picture has a longstanding tradition at dances, Shirley and Gene Humphrys. G gives a view of some of the original costumes seen. That's June and Jerry Davis behind all that garb. Jerry took the best-dressed male and June's costume, although it did not take a prize, brought comments from all over the house. She was a 'way-out' protestor and carried a sign "Down with Thaxton."

H and I show some of the lively tables . . . while J pictures Superintendent Hibbs and Mary Smyrl with the door prize winners. K caught more of the costumes at the door, as the Porters, Smyrls and Pluhars came as various and sundry characters. L and M show more views of happy tables, as do N and O. In photograph P the costume winners receive awards. That's Mrs. Carl Sanders as a bunny rabbit.



Riders wanted from Athens via Lenoir City, to any portal, straight day. R. W. Hayes, plant phone 3-7182, home phone Athens 745-5636.



SAME NUMBER, different boy. In the top shot you see Albert Buck, right end for the Oak Ridge Wildcats . . . and in the lower photo is Oran Buck Jr., who plays for the Crimson Tide freshman team down in Alabama. Junior wore number 86 while at Oak Ridge, and Albert follows in his steps with the same number. Coincidentally, Alabama and Oak Ridge have the same colors. Both boys are the sons of O. C. Buck, Utilities.

Y-12 Riflemen Fire Low Again

Dead-eyes in the 22 Calibre Rifle League from Y-12 were dead again last week, as they lagged further behind in league standings. B. L. Powers fired a 291.258 handicap score to lead the team . . . followed by Art Hensley, 390.347 and Carl Brewster, 290.244. Bert Searles fired high scratch scores for the team with a 290. He was followed by Powers with 288 and Hensley with 266.

Teamwise, it read thus in scratch firing: Y-12, 1431; X-10, 1440; Independents, 1438. Handicap scores were: Y-12, 1449.167; X-10, 1458.674; and Independents, 1452.776.

Team	Points
ORNL	41
Independents	24
Y-12	19

Basketballers Paged; Volleyballers, Too!

The Recreation Department is issuing a final call for all employees who want to get in on the winter play in basketball or volleyball. If you have a team you wish to enter, or wish to get on one, just give Cantrell a ring. He'll be happy to take your name, and put your name in the pot somewhere, either on one team or another. Play will get underway the latter part of this month.

That telephone number is 3-7109. Call today . . . or tomorrow.

Wasps Move Up In Classic Alleys

The Wasps leapt forward in Classic Bowling circles last week, stamping out the Markers by three points. The Splinters took four from the league-leaders, the Swingsters. The only other four-point win went to the Rippers over the Tigers. Three points were gleaned as the Has Beens tore past the All Stars, the Eightballs edged by the Bumpers and the Rebels ousted the Smelters. Three points were also picked up by the Has Beens over the Playboys. The Wolves and Cubs shared two each.

Jay Holzkecht, Rippers, hit a high single scratch game of 224. Herb Runge, Screwballs, had high handicap play of the night, with singles of 254, and series of 665. Jim Morgan, Swingsters, took a 583 scratch series.

The Swingsters swung high on the board with scratch games . . . singles of 916, and series of 2622. The Rippers tore into handicap count with singles of 1056 and series of 3054.

League standings follow:

Team	W	L
Swingsters	28	12
Wasps	24	16
Bumpers	23	17
Wolves	23	17
Markers	21½	18½
Rippers	21½	18½
Has Beens	20	20
Screwballs	20	20
All Stars	19	21
Cubs	19	21
Splinters	19	21
Playboys	18	22
Tigers	17	23
Eightballs	17	23
Rebels	17	23
Smelters	13	27

Recreation



Monday, November 15

BOWLING: C League, 5:45 p.m., Bush League, 8 p.m. Ark Lanes.

TABLE TENNIS: 7:30, Wild Cats Den, Oak Ridge.

PISTOL LEAGUE: 7:30 p.m., Anderson County Gun Club, Clinton.

Tuesday, November 16

PHYSICAL FITNESS: 7:30 p.m., Oak Ridge High School Gymnasium.

Wednesday, November 17

BOWLING: Mixed League, 8 p.m., Ark Lanes.

Thursday, November 18

BOWLING: Classic League, 5:45 p.m., Ark Lanes.

Sunday, November 21

SKEET TOURNAMENT: 1 p.m., Oak Ridge Sportsman's Association. 50-Target (two rounds).

Dozen Men Begin Table Tennis Play

The Table Tennis league opened last week with W. B. Motley sweeping five games from Joe Lewin. Loyd Wyatt took four from Jim Carter; as did Bill Maddux from G. W. Brewer. Gene O'Hara captured three from Roy Huddleston. (Due to a misunderstanding the O'Hara-Huddleston match only went four games. A make-up match is in the making.)

A total of 12 players are participating in the league . . . nine from Y-12, three from Oak Ridge National Laboratory.

League standings follow:

Player	W	L
W. B. Motley	5	0
Loyd Wyatt	4	1
Bill Maddux	4	1
Gene O'Hara	3	1
Jim Carter, ORNL	1	4
G. W. Brewer	1	4
Roy Huddleston	1	3
Joe Lewin, ORNL	0	5
Ed Gambill	0	5
A. J. Norris	0	0
J. B. Peters	0	0
W. D. Jones, ORNL	0	0



THE BIG ALLEY CATS, mean in Mixed Bowling League circles, are seen above. From left are Bill Sise, Jeri Kobisk, Elinor Charpie and Bill Smith.

Alley Cats Fire Into Better Halves To Tie For 2nd Place In Mixed Bowling

The Goofers pulled back away from the pack again last week in the Mixed Bowling League. They took three points at the expense of the Blue Angels. Other three-point wins went to the Alley Cats over the Better Halves (placing the Cats in a tie for second place), and the Subs sailing past the Twisters. Two and one-half points went to the Mustangs over the Chumps.

Virginia Newby took all female honors on the Goofers team. She rolled a scratch game of 163, handicap tally of 210. Her series was 447 scratch, 585 handicap. Bill Smith, Alley Cats, had high scratch scores of the males rolling. He took a 200 single, 525 series. Bob Hagood, Goofers, rolled a 229 single handicap score . . . and a series handicap tally of 605 which tied with Roy Worley, Mustangs.

The Goofers rolled high scratch singles of 619. The Alley Cats took handicap highs . . . singles of 786 and series of 2225. The Mustangs posted a 1781 scratch series.

League standings follow:

Team	W	L
Goofers	23	9
Blue Angels	18	14
Alley Cats	18	14
Better Halves	16	16
Subs	16	16
Chumps	13½	18½
Mustangs	13½	18½
Twisters	10	22

Big Five Takes C Bowling Lead

The Big Five reclined the hold on C Bowling honors last week, taking three big points from the Rollmasters, who were tied with them at the beginning of play for top berth. The only four point win of the day went to the Rodders as they rammed past the Shud-A-Beens. Other three-point victories were chalked up by the Parbustars over the Rounders, the Fireballs past the Invalids and the Sunflowers past the HiLifers. Two points were shared by the Strikers and Badgers.

W. W. Chilcoat, Strikers, struck hard at singles highs, taking a scratch game of 228, which was boosted to a 253 handicap tally. Dick Huber, Badgers, scored high series with a 557 scratch, 620 handicap count.

The Strikers took singles highs, scratch, score of 932, handicap total of 1077. The Big Five had high scratch series of 2472; while the Strikers returned to the boards with a 2848 handicap series.

League standings follow:

Team	W	L
Big Five	23	9
Rollmasters	21	11
Strikers	21	11
Rodders	16	16
Shud-A-Beens	15	17
Rounders	15	17
Invalids	15	17
HiLifers	14	18
Parbustars	14	18
Fireballs	14	18
Badgers	12	20
Sunflowers	12	20

Skeeters End Fall Firings

Firing has been completed in the Fall All-Carbide Skeet League. Eight competitive rounds were fired for a total of 200 targets. The winners were:

CLASS AAA

Fred Welfare, ORNL 191/200
W. E. Brundage, ORNL 191/200

CLASS AA

Jack Case, Y-12 189/200
Ken Bahler, ORGDP 180/200

CLASS A

R. A. Allstun, Y-12 161/200

This month, Skeeters will begin a new type competition. Instead of a league covering several shoots a series of monthly tournaments will be held. Each tournament will consist of 50 targets (two rounds), and the first one is set for 1 p.m. Sunday, November 21, at the Oak Ridge Sportsman's Association. All Carbide employees are invited to participate in the competitive shooting. Guns will be available at the field for anyone who does not have a gun suitable for skeet shooting. A progressive handicap system will be employed to place the new and improving shooter on par with the old-timers.

More information may be obtained on the Skeet Tournament from Fred Welfare, extension 3-5962, or Charlie Asmanes, 3-7296.

Bush Bowlers See Beavers Take Lead

The Bush Bowling League got a new leader last week as the Beavers surged forward with a three and one-half point win over the Dry Hides. The FLUBS also moved up with a four pointer over the Untouchables. The Outcasts beat the Regents, old leaders, by a tune of three.

Bill Smith, Dry Hides, rolled a 197 scratch single. J. T. Pesterfield, FLUBS, played a 239 handicap single. Smith's series of 557 scratch, 659 handicap were highs.

The Beavers swept the boards . . . with singles of 844 scratch, 1014 handicap . . . series of 2439 scratch, 2949 handicap . . . sharing only the handicap singles with the Dry Hides, who took the same score of 1014.

League standings follow:

Team	W	L
Beavers	12½	7½
FLUBS	12	8
Regents	10	10
Outcasts	10	10
Dry Hides	8½	11½
Untouchables	7	13

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Second Annual Metal Prep Frolic Is Planned As Buffet Dinner-Dance

Calling all finks . . . the second annual Metal Prep dance is now being planned! Set for 6:30, Saturday, December 4, this year's affair will be another buffet dinner. It will be staged at the Oak Terrace . . . with music for the dancing to be provided by the Martiniques. Dancing will commence at 9, naturally.

Tickets are being sold in 9212 by Roy Williams, Jo Ann Isham, Herm Butler, Bill Crow, Helen Underwood, Joe Barkman, Wilma Trebilcox and John Reece. In 9215 they will be peddled by Bill Hubbs, Jim Thompson and Spears Vavalides. In 9201-1 pretty, blond



Wanda Livesey will be the only ticket-seller. Ray Guinn will cover 9998, and in Beta Four it's E. C. Alexander, Marilyn Barnhill and Ken Valentine. 'Brother Dave' Smith will bark the ducats in 9201-5 . . . and Liz Harris and Roger Brotherton will take care of Beta Two.

Tickets are \$5 per head, which includes dinner and dancing; that's \$10 for you and the missus, or miss, whichever is your choice.

Last year's early Christmas party was a tremendous success, and planners are hoping for a repeat sell-out crowd. The more the merrier Metal Prep folks say . . . so any of you other cats who wish to horn in may do so . . . just see the above folks . . . and bring your \$10 to their smiling presence.

That's December 4, not long off, as time flies . . . so you'd better get your ticket early.

Remember, Metal Prep's Second Annual Christmas Frolic, at the Oak Terrace Ballroom in exactly four weeks from Saturday!

Spiewak Speaks On Desalination

The Oak Ridge Section of the Institute of Electrical and Electronic Engineers will meet tomorrow, Thursday, November 11. Guest speaker will be Irving Spiewak, Reactor Division, Oak Ridge National Laboratory.

Spiewak received a BS in chemical engineering from Cooper Union, and an MS from the Massachusetts Institute of Technology. He has been with the Reactor Division of ORNL since that time and is head of the Engineering Development Department. He has been associated with the Oak Ridge nuclear desalting program since its inception in 1962 and is deputy director of the program. He was a member of the Joint Israel - United States Desalting Team which was convened to investigate the water and power needs of Israel and to make recommendations to the two governments on using nuclear desalting to satisfy these needs.

The meeting is set for tomorrow in the Green Room of the Ridge Recreation Hall. It will begin at 7:30 p.m., and all interested guests and members of IEEE are welcomed.



Mid - November catches many more Y-12ers observing important anniversary dates with Union Carbide Corporation. Congratulations.

20 YEARS

Chester L. Estes, Metallurgical Development, November 15.

Carl E. Manis, Buildings, Grounds and Maintenance Shops, November 15.

Clarence L. Riggs, Special Services, November 16.

15 YEARS

Eliga Tilley, Casting Department, November 13.

Hall Trivett, General Machine Shop, November 13.

Ross C. Pruden, Buildings, Grounds and Maintenance Shops, November 13.

Mitt T. Barker, Guard Department, November 13.

Hobert L. Simmons, Research Services, November 14.

John R. Johnston, Electrical Department, November 14.

James A. Coleman, Arc Melting, November 15.

Carl C. Wright, Receiving Department, November 15.

William E. Cagle Jr., Alpha Five Machine Shop, November 16.

Carl M. Bryant, Guard Department, November 16.

Charlie L. Marlar Jr., Chemical Services, November 16.

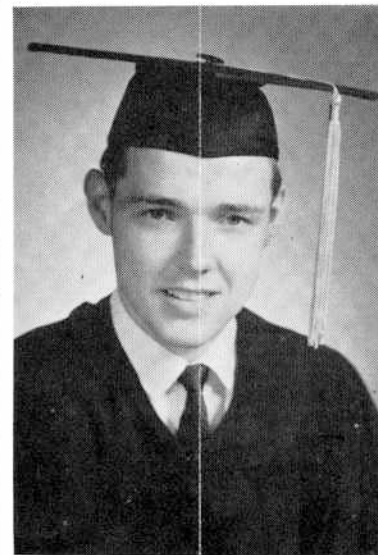
Joseph F. Spradlin Jr., A-2 Shops, 9212, November 16.

Homer C. Day, A-2 Shops, 9212, November 16.

10 YEARS

William O. Harris, A-2 Shops, 9212, November 10.

Melhorn Son Wins Army Commission



Randel L. Melhorn

A Coalfield student was one of eight seniors commissioned second lieutenant in the Army during summer commencement exercises at Tennessee Technological University, Saturday, August 28.

He was Randel L. Melhorn, son of Mr. and Mrs. Charles R. Melhorn, Route 1, Oliver Springs. The graduating senior's father is in Y-12's Research Services. Randel received his bachelor's degree during Tech's first commencement since being elevated to university status.

Melhorn successfully completed Tech's Reserve Officers' Training Corps program; and will be assigned to the Army Armored Corps.

He is presently with the Morgan County School system as a history teacher at Central High School, Wartburg.

Litton Rites Held Monday, Nov. 1

Mr. Woodrow W. Litton, Dispatching, died Saturday, October 30, in an Oak Ridge Hospital. A



W. Litton

native of Robinson, Tennessee, Mr. Litton transferred from Oak Ridge Gaseous Diffusion Plant to Y-12 on April 24, 1961. He had originally worked in Y-12 during the war

years.

Surviving are his wife, Mrs. Dorothy Litton; sons, Gary and Douglas, 106 Quincy Avenue, Oak Ridge; brothers, Starlin, Oneida; Edsel, Rockwood; sisters: Mrs. James Heflin, Front Royal, Virginia; Mrs. John Demarcus, Fort Wainwright, Alaska; Mrs. Flora Young, Louisville, Kentucky; Mrs. A. L. Pickrell, Rockwood; Mrs. John Fritz, Knoxville; and Miss Lucille Litton, Rockwood.

Mr. Litton was a member of the West Village Christian Church where he was a deacon and youth leader. He was also a member of the Free and Accepted Masons Blue Lodge No. 536, and a 32nd degree Mason.

Funeral services were held Monday, November 1, at 2 p.m. at the Martin Funeral Home, Oak Ridge, with Mayo Proctor officiating. Burial followed in the Oak Ridge Memorial Park.

Sincere sympathy is extended Mr. Litton's family.



Katy Kutkost
SEZ:

Watch out for the man with the X-ray eyes. We're referring, of course, to Lew Fitzgerald, Radiation—Nondestructive Testing.

He turned in a green sheet last year claiming a saving of X-ray film due to his particular gift. We didn't use it for fear of it being a bit too sensational for the conservative format of the LBJ Cost Reduction Report—besides we'd never convince the auditors.

Lew called up last month and said, "They're using plywood finished on two sides for shipping containers. Since I am the only one around with X-ray eyes to appreciate the nice inside finish, it seems a waste. Why not use plywood finished on one side only?"

Result: As of next week, three-quarter inch plywood, only one side finished, will be in stores. Ask for Catalog No. 01-085-3215.

One thing we didn't find out. With all the good looking things to look at, how come Lew looks at shipping containers?

Gray Family Is Most Grateful To Y-12ers

The family of Samuel S. Gray, formerly of the Maintenance Division, is grateful for the many flowers, expressions of sympathy and acts of kindness from many Y-12ers. Mr. Gray, who left Y-12 in December of 1963 because of poor health, died Friday, October 29.

Services were held in Oak Ridge, Sunday, October 31.

EATING OUT?

The restaurant business is booming. Americans spend more than a billion dollars a month eating away from home!



WORTHY ADVISOR now is Emily Stewart . . . shown in installation ceremonies recently. Emily is a junior at Clinton High School.

Emily Stewart Made Worthy Advisor

October 9 was a big day for Emily Stewart, daughter of Frank A. Stewart Jr., General Machine Shop.

On that day Emily was installed as a Worthy Advisor for the Rainbow Girls, Assembly number 93, Oliver Springs, Tennessee.

Emily is a junior at Clinton High School.

The Stewarts live at Route 3, Oliver Springs.

Union Carbide Dedicates New South Carolina Plant

Governor Robert E. McNair, South Carolina, officiated at the Carbon Products Division's plant dedication October 28. The ceremonies, held in Greenville, officially opened the Division's new 100,000 square-foot plant. Major products of the new facility that will employ around 300, will be carbon brushes and carbon seal rings for mechanical applications. The site of the plant is the deactivated Donaldson Air Force Base. The Division manufactures some 40,000 different sizes, shapes and grades of carbon brushes for applications ranging from diesel-electric locomotives to electric carving knives. The average American home has 43 motor-operated devices using carbon brushes, Division President J. R. Johnston pointed out at the dedication.

LONG FLIGHT

The first American transcontinental airplane flight took 49 days! C. P. Galbraith completed the historic flight in 1911. A total of 24 days was lost through bad weather and mechanical trouble.

Our nation's future depends on how closely we guard her secrets.



WEDDINGS



Mr. and Mrs. James Carl Craig

CRAIG—MOORE

Miss Nancy Lee Moore and James Carl Craig were married Friday, October 29 at the First Baptist Church, Lenoir City. The Reverend Shields Webb officiated at the rites.

The bride is the daughter of Mr. and Mrs. H. E. Moore, Route 5, Lenoir City. (Her father is in Y-12's Research Services.) The groom is the son of Mr. and Mrs. Carl J. Craig, Greenback, Tennessee.

Miss Malinda Hudgens was maid of honor and Miss Karen Wolf the bridesmaid.

Nuptial music was provided by Miss Barbara Snow, Lenoir City, who sang "The Song of Ruth," and "The Lord's Prayer." She was accompanied by Mrs. Fred Nelson at the organ.

The groom's attendants were Mike Glenn and Donnie Moore, brother, both of Lenoir City.

The couple is residing at Route 3, Lenoir City.